

**PROJECT:** Midnite Mine Remediation **REPORT NO:** 2019-010

OWNER: Newmont/Dawn Mining OPERATOR: Newmont/Dawn Mining

# Summary of Work Activities or Events for this reporting period:

This weekly report provides a summary of Midnite Mine Site (Site) remediation action (RA) construction activities, quality assurance (CQA), quality control (CQC) and engineering activities for the period May 31 – June 6, 2019. The Site activities discussed in this weekly report include, but are not limited to: Site Health, Safety, and Security; Community Liaison, Project Meetings, Regulatory Oversight, Site Visitors; Site Mobilization; RA Activities; Project Documentation; and Site Inspections.

The project SharePoint site includes the Project documentation discussed in this report. Access to the project SharePoint site is available at the following link: <a href="https://amcollab.mwhtools.com/sites/midnitemine">https://amcollab.mwhtools.com/sites/midnitemine</a>

# SITE HEALTH, SAFETY, AND SECURITY

MIDNITE MINE HEALTH & SAFETY SUMMARY: Reporting Period May 31 – June 6, 2019						
FIRST AID INJURY	0	PROPERTY DAMAGE	0			
MEDICALLY TREATED INJURY	0	NEAR MISS INCIDENT	0			
RESTRICTED WORK INJURY	0	RADIATION PROTECTION PLAN (RPP) – ISSUES REPORTED	0			
LOST TIME INJURY	0					

Comments: No injuries / incidents to report. Project monthly safety meeting conducted on June 4. Topics presented included lightning management procedure and complacency awareness and avoidance.

#### COMMUNITY LIAISON

No issues or concerns were reported or received by Newmont from the Spokane Tribe of Indians Community Liaison Officer. Mobilization notifications were provided to the Tribe during the week.

# PROJECT MEETINGS, REGULATORY OVERSIGHT, AND SITE VISITORS

## **Weekly Progress Meeting:**

The Weekly Construction Progress meeting was held at 1000 hours on Wednesday, June 5, 2019 at the on-site conference room and via conference call. Representatives from the following stakeholders attended the meeting in person or via telephone:

- EPA
- Spokane Tribe of Indians
- Jacobs
- Dawn Mining Company (DMC)/Newmont Goldcorp
- Stantec
- Ajax
- WME

#### **Meeting Action Items:**

• None

#### **EPA Plan/Document Approvals:**

• The revised Emergence Response Plan (Appendix D of the RAWP) was approved on May 29 (this approval was inadvertently omitted from the previous weekly report).



- EPA reviewed and reported that they concurred with the revisions to the Health and Safety Plan (Appendix L of the RAWP). This notification was received on May 30 (this notification was inadvertently omitted from the previous weekly report).
- EPA approved the 4<sup>th</sup> Quarter 2018 Air Monitoring report on June 2.
- The 2<sup>nd</sup> Half 2018 Site Wide Monitoring Report was approved on June 2.
- The 2019 Construction Water Management Plan was approved on June 4.

# **Regulatory Site Visit(s):**

Steve Demus, Jacobs, representing EPA was on Site May 31, June 4, and June 6.

# REMEDIAL WORK ACTIVITIES

#### Construction:

During the week of May 31 – June 6, 2019, the following activities were conducted:

• Excavating, hauling and placing material from Ore Stockpile 3 (Stockpile 3, high activity/high reactivity material), Protore Stockpile 4 (Stockpile 4, high activity/high reactivity material), Ore and Protore Stockpile 5 (Stockpile 5, high activity/high reactivity material) and South Waste Rock Pile (SWRP, low activity/low reactivity material) continued. Material from SWRP was placed on the north, east, and west sides of Pit 4 to create the 20' rind buffer area. Material from SWRP was also placed at the south end of the pit to form the 20' radon buffer on the outer waste surface. The materials were excavated with either excavator or loader equipment and transported and plug dumped with haul trucks. The plug dumps were leveled with a dozer into lifts not exceeding 10' thick. Table 1 presents the 2019 Pit 4 mass haul materials volume.

Table 1 – 2019 Pit 4 mass haul volume estimates

Reporting Period	Truck Loads	Estimated Volume <sup>1</sup> yd <sup>3</sup>
May 31 – June 6, 2019	3,419	95,732
2019 Cumulative	29,423	823,844

<sup>1 –</sup> Truck load assumed to be 28 yd<sup>3</sup>

- Wm. Winkler, the tree chipping contractor, mobilized to Site on June 3. The tree grinding operation
  is setup at the tree storage stockpile at the north end of the Temporary Impacted Soil Stockpile
  (TISS).
- Started excavating Hillside Waste Rock Pile (HSWRP) material from the southwest corner of Pit 4
  where the cover will tie-in to native ground.
- Used BMP materials from onsite stormwater controls were disposed of in Pit 4 as Unclassified Waste in accordance with specification section 02205 on June 6.
- Prepared subgrade of 47 additional feet of Infiltration Collector (IC) on the west side of Pit 4 and installed Geosynthetic Clay Liner (GCL) and Drain Gravel.
- Pit 4 tension crack was measured on June 3. The horizontal distance between movement pins remains at 53.75 inches, indicating no measurable movement.

#### Stormwater Pollution Prevention Plan (SWPPP) Activities

None

#### **Equipment Mobilized/Demobilized and Material Delivered**

The following equipment was mobilized to the Site during this reporting period.

- Link Belt 245x4 excavator (EPA Tier 4)
- Caterpillar excavator (EPA Tier 4)
- Vermeer Horizontal Grinder (EPA Tier 2)
- 10,000 gal elevated water tank



The following equipment was demobilized from the Site during this reporting period.

One of the rental Caterpillar 745C articulated haul trucks was demobilized from site.

All project owned non-road diesel equipment on Site is US-EPA Tier 4 compliant. On-site rental equipment and subsequent deliveries of rental equipment may be less than Tier 4 and will be assessed at the time of delivery.

#### Materials:

The following material was delivered to the Site during this reporting period.

None

#### **Dust Control and Monitoring**

Six dust monitors were operated during construction activities at the locations and for the time intervals listed in Table 2. The Total Suspended Particulate (TSP) action level of 260 micrograms/cubic meter was not exceeded during the reporting period.

Dust monitor ES-6 was off Friday afternoon (5/31/2019) from 4:00 p.m. through the night shift and again on Monday morning (6/3/2019) from 7:00 a.m. to 3:00 p.m. due to issues with the monitor's power supply.

Table 2 - TSP Dust Monitoring Locations during reporting period May 31 – June 6, 2019

	Location Description		Status						
Monitor ID		Start Date	Fri	Sat	ung	Mon	anı	рәм	Thu
ES-1 (stationary)	Midnite Mine Top of Pit 4	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-2 (stationary)	Midnite Mine Southeast Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-3 (stationary)	Midnite Mine West Boundary	04/01/19	D/N			D/N	D/N	D/N	D/N
ES-4 (roving)	Top of Stockpile 3	04/30/19	D/N			D/N	D/N	D/N	D/N
ES-5 (roving)	Spare								
ES-6 (roving)	East Side of Pit 4 next to portable light plant.	04/01/19	D/*			*/N	D/N	D/N	D/N
ES-7 (roving)	Southeast corner of Area 5	04/02/19	D/N			D/N	D/N	D/N	DN
ES-8 (roving)	Spare								

D=Day Shift (6:00 am to 4:30 pm)

#### PROJECT DOCUMENTATION

Project Submittals, Engineering Change Notices (ECNs), Requests for Information (RFIs), Non-Compliance Notifications (NCNs), CQA-CQC Field Acceptance Forms and Other Items received, changed or noted before or during this time-period are shown in the table below:

N=Night Shift (4:00 pm to 2:30 am)

E=Environmental conditions (Fog, smoke, pollen, heavy rain, etc.) - No Operation

<sup>\*</sup> Equipment malfunction (Battery/Power Supply or Other)



Table 3 – CQA I	Documentation							
	Project Submittals							
Submittal No.	Title	CQA Acceptance Date						
None								
Project ECNs								
ECN No.	Title	EPA Response Date						
None								
Project RFIs								
RFI No.	Title	CQC Submittal Date	CQA Response Date					
RFI 2019-08	Detectable Identification Tape	5/10/2019	6/4/2019					
RFI 2019-09	Trench Compaction Testing	Waiting for EPA Comments						
	Project NCNs							
NCN No.	Title	CQA Issue Date	CQC Response Date					
None to Date								
	CQC-CQA Field Acceptance	e Forms						
CQC-CQA Acceptance No.	Title	CQC-CQA Issue Date						
2019-08	West IC First Lateral Extension - Subgrade A	5/30/2019						
2019-09	West IC Second Lateral Extension – Subgrad	5/31/2019						
	Other Items							
Item	Title	Comments						
None		_	-					

Copies of the updated CQA Logs are provided on the project SharePoint site under the 2019 CQA Folder.

## SITE INSPECTIONS

Details regarding the four-phase CQA observation/inspection process for each definable work feature is summarized above within each work-feature section and are further detailed in the daily CQC/CQA reports that are available on the project SharePoint site.

#### **Preparatory Inspections / Meetings**

None during this time-period.

#### **Initial Phase Inspections**

None during this time-period.

## **Follow-up Phase and Ongoing Inspections**

Daily observations/inspections by CQA during Pit 4 backfill and other construction activities for the following site-specific tasks:

- Pit 4 Backfill
  - o Mine waste excavated from the South Pond Cut/SWRP and the HSWRP (low reactivity/low activity material) was placed along the edges of the pit to construct the 20foot buffer zone (rind). Mine waste excavated from Stockpiles 3 and 5 (high reactivity/high activity material) was placed in areas of the pit bounded by the 20-foot buffer zone.
  - Backfilling 3 work fronts:
    - Pit 4 north
    - West IC area
    - Pit 4 south bench



- Construction Trash/Debris
  - Placed and backfilled trash/debris in the middle portion of Pit 4, approximately 135 feet from the northern edge of the pit in an area not more than 9 ft<sup>2</sup> and less than 1 foot deep.
- West Infiltration Collection System
  - o Second lateral (west of main collector)

CQC-CQA observed and accepted the following:

- Subgrade compaction.
- GCL placement.
- Placement of a minimum 12 inches of drain gravel.
- Began excavation of the main collector extension to the north
- Wood Chipping Activities
  - o Mobilized equipment on 6/3/2019.
  - Began chipping trees on 6/5/2019.

## **Completion Inspections**

None

# THREE WEEK LOOKAHEAD SCHEDULE

#### **Three Week Lookahead Schedule**

A copy of the Three Week Lookahead Schedule is provided as Attachment A.

Report completed and submitted by:

David Lee

**Project Construction Director** 

#### Attachments

• Attachment A – Midnite Mine 3 Week Lookahead Schedule

Photos of pertinent items are provided below.





Figure 1 - 390 Excavator loading SWRP material from South pond excavation at left side of photo. Two excavators in background loading material from SP-5



Figure 2 – 390 Excavator loading SWRP material from South Pond excavation at left side of photo.





Figure 3 -CQC surveying top of drain gravel of a section of the second lateral of the west IC



Figure 4 – Wm. Winkler grinding timber in the TISS.



## **ATTACHMENT A**

## MIDNITE MINE THREE WEEK LOOKAHEAD SCHEDULE

NEWMONT.



Remaining Work — Actual Level of Effort

